

Title (en)  
METHOD AND SYSTEM FOR DETERMINING THE POSITION AND DIRECTION OF A MOVING OBJECT AND APPLICATIONS THEREOF

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG DER POSITION UND DER AUSRICHTUNG VON BEWEGLICHEN KÖRPERN, MIT ANWENDUNGEN

Title (fr)  
PROCEDE ET SYSTEME DE DETERMINATION DE LA POSITION ET DE L'ORIENTATION D'UN MOBILE, ET APPLICATIONS

Publication  
**EP 0591497 B1 19960925 (FR)**

Application  
**EP 93909018 A 19930409**

Priority  
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Abstract (en)  
[origin: WO9321540A1] Method and system for determining the position and direction of a moving object and applications thereof. The process based queries and answers is characterized by providing in response to a given query, two answers which are distinguishable, firstly, by different modulation frequencies and secondly, in that they are emitted according to two patterns offset in relation to one another. The angular position  $\theta(f)$  and direction  $\theta(U)$  of the moving object can be determined using simple distance measurement of either of the two answers, and by simple measurement of the amplitude ratio of the two answers received. Numerous applications in the automobile sector (collision prevention, traffic control, observance of the highway code, automatic tolls and the like).

IPC 1-7  
**G01S 1/14**; **G01S 13/75**; **G01S 13/74**; **G01S 13/93**

IPC 8 full level  
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